

SELECTIVE EXPRESSION OF GENES IN PLANTS**Abstract of the Disclosure**

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This invention relates to a method of biocatalytically producing compounds that are commercially valuable but are detrimental to the host cells' development. The transgenic plants produced in accordance with the present invention comprise a novel controlled expression system comprising a promoter (2), a blocking sequence (a), and a structural gene (6), wherein the blocking sequence (a) is flanked by a pair of directly repeated site-specific recombination sequences (4). The blocking sequence (a) prevents expression of the structural gene (6) until removal of the blocking sequence (a) by site-specific recombinase activity encoded by a site-specific recombinase gene (12).

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